CERTIFICATE OF I	Docket No. 51764/3							
Serial No. 10/616,001	Filing Date July 9, 2003	Examiner Not yet assigned	Group Art Unit 2681					
Invention: ECHO CANO	PET	NOV 1 0 2003						
· <u>-</u>		& TRADEMAP						
I hereby certify that this		atement; PTO-1449 with copies of a (Identify type of correspondence)	rticles; postcard.					
	ents, P.O. Box 1450, Alexand	Service as first class mail in a	November $\frac{7}{(Date)}$, 2003					
John R. Thompson (Typed or Printed Name of Person Mailing Correspondence) (Signature of Person Mailing Correspondence)								
	Note: Each paper must	t have its own certificate of mailing.	•					



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRADEMA	питг	IE UNII	ED ST	ATES FATEINT AND TRADEMA	IKK OFFICE	
In re applica	tion of:)	
	Jaco	b H. Gur	nther)) Art Unit	
Serial No.:	10/6	16,001) 2681	
Filed:	July	9, 2003)	
For:	ЕСН	O CAN	CELLA	TION FILTER)	
		<u>INF</u>	ORMA	TION DISCLOSURE STATEMEI UNDER 37 C.F.R § 1.97	<u>NT</u>	
TOT	гне сс	OMMISS	IONER	R FOR PATENTS:		
Purs	uant to	his (her)	(their)	duty of disclosure, applicant(s) en	close(s) copies (a copy) of	
the documer	nt(s) list	ed on the	e accon	npanying Form PTO-1449.		
1. This information disclosure statement is being submitted:						
	a.		applion nation on the	in three months of the filing date of cation or within three months of the nal stage, or before the mailing date e merits, whichever event occurs la FR 1.97(e) is required.)	e date of entry of the e of the first Office action	
	b.			the period set forth in paragraph 1a of either a final action or a notice of i.)		
		i.		A \$180.00 information disclosur- fee set forth in 37 CFR 1.17(p) is		
		ii.		A statement specified by 37 CFR below.	1.97(e) is set forth	
	c.		on or	the mailing date of a final action of before payment of an issue fee. A 1.97(e) is set forth below. A petition	statement specified by 37	

				of the information disclosure statement and the \$130.00 petition fee set forth in 37 CFR 1.17(i) are enclosed.			
		d.		Concurrent with the filing of a Request for Continued Examination			
2.		The	attorney	or agent signing below hereby states that:			
		a.		each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.			
		b.		no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.			
3.	Applicant(s) set forth below concise explanations of the relevance of each document not in the English language and/or selected document(s) in the English language.						
	DATI	E D thi	is <u>7</u> da	ay of November, 2003.			

Respectfully submitted,

John R. Thompson Registration No. 40,842

STOEL RIVES LLP One Utah Center 201 South Main Street, Suite 1100 Salt Lake City, Utah 84111

Telephone: (801) 578-6994 Facsimile: (801) 578-6999

51764/3 10/616,001 INFÒRMATION DISCLOSURE CITATION Applicant(s) Jacob H. Gunther (Use several sheets if necessary) Filing Date Group Art Unit NOV 1 0 2003 July 9, 2003 2681 EN TRADEMAS U.S. PATENT DOCUMENTS EXAMINER FILING DATE DATE NAME CLASS SUBCLASS DOCUMENT NUMBER INITIAL. IF APPROPRIATE A1 379 406.08 2002/0191779 A1 12/19/02 Pham 03/23/01 A2 379 406.08 2002/0181699 A1 12/05/02 Pham et al. 03/23/01 А3 2002/0114445 A1 08/22/02 Benesty et al. 379 406.01 12/05/00 6,516,050 B1 02/04/03 Tasaki et al. 379 3 10/25/00 A4 379 406.05 01/14/03 04/14/00 A5 6,507,653 B1 Romesburg 370 201 6,434,110 B1 08/13/02 Hemkumar 03/20/98 A6 08/07/01 Kawahara et al. 370 201 05/02/95 6,272,106 B1 Α7 6,181,794 B1 01/30/01 Park et al. 379 410 10/07/97 **A8** 379 389 06/09/98 McCaslin et al. 09/29/95 5,764,753 A9 A10 379 410 5,390,250 02/14/95 Janse et al. 12/17/91 370 03/15/94 32.1 04/13/92 5,295,136 Ashley et al. A11 FOREIGN PATENT DOCUMENTS Translation REF DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Schobben et al., "A Frequency Domain Blind Signal Separation Method Based on Decorrelation," IEEE Transactions on R1 Signal Processing, Vol. 50, No. 8, August 2002, pgs. 1855-1865. Torkkola, Kari, "Blind Deconvolution, Information Maximization and Recursive Filters," Motorola, Phoenix Corporate Research Laboratories, 2100 East Elliot Road, MD EL508, Tempe, AZ 85284, USA, 4 pgs. B2 **EXAMINER** DATE CONSIDERED EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Docket Number (Optional)

Application Number

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O INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)					Jacob H. Gunther						
1	NOV 1 0 2003 (3)					FILING July 9, 2003		GROUP 2681			
U.S. PATENT DOCUMENTS											
*EXAMINER	ADEMP		DOCUMENT NUMBER	DATE	· ·	NAME	CLASS	CLASS SUBCLASS		FILING DATE IF APPROPRIATE	
	A12	4,71	2,235	12/08/87	Jones, J	r.	379	410	11/19/84		
	A13	4,26	58,727	05/19/81	Agrawa	l et al.	179	170.2	03/14/79		
	A14	4,13	31,767	12/26/78	Weinste	in	179	170.2 02/22/		;	
	A15	Re.	35,574	07/29/97	Russell	et al.	380	6	05/23/95		
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	L	l	OTHER DOCUME	NTS (Includin	g Author	, Title, Date, Pertinent F	Pages, Etc.	.)	<u> </u>		
		В3	Torkkola, Kari, "IRR Filters for Blind Deconvolution using Information Maximization," Motorola, Phoenix Corporate Research Laboratories, 2100 East Elliot Road, MD EL508, Tempe, AZ 85284, USA, 14 pgs.								
		В4	Feder, et al., "Maximum Likelihood Noise Cancellation Using the EM Algorithm," IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. 37, No. 2, February 1989, pgs. 204-216.								
EXAMINE	₹					DATE CONSIDERED					
			ference considered, whether by of this form with next con			ance with MPEP 609; Draw I	ine through o	itation if not in co	onformance	and not	

Form PTO-A820 (also form PTO-1449)

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					Jacob H.	Jacob H. Gunther						
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			OTHER DOCUME	NTS (Including	g Author, Title, Dat	e, Pertinent Pa	ages, Etc.)	· · · · · · · · · · · · · · · · · · ·				
		B5	Glentis, et al., "A Unified View - Efficient Least Squares Adaptive Algorithms for FIR Transversal Filtering," IEEE Signal Processing Magazine, July 1999, pgs. 13-41.									
		В6	Breining, et al., "Acoustic Echo Control - An Application of Very-High-Order Adaptive Filters," IEEE Signal Processing Magazine, July 1999, pgs. 42-69.									
EXAMINER	₹				DATE COM	SIDERED		_				
			ference considered, whether by of this form with next con			PEP 609; Draw lin	e through ci	tation if not in co	onformance	and not		

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